

PATENT COOPERATION TREATY

From the
INTERNATIONAL PRELIMINARY EXAMINING

PCT

NOTIFICATION OF TRANSMITTAL OF
INTERNATIONAL PRELIMINARY
EXAMINATION REPORT

(PCT Rule 71.1)

To:
SHINSUNG PATENT FIRM

Haecheon Bldg., 741-40, Yeoksam 1-dong, Kangnam-ku 135-924 Seoul, Republic of Korea

Date of mailing
(day/month/year) 20 JANUARY 2005 (20.01.2005)



Applicant's or agent's file reference P02EC004/PCT		IMPORTANT NOTIFICATION	
International application No. PCT/KR2002/002483	International filing date (day/month/year) 30 DECEMBER 2002 (30.12.2002)	Priority date (day/months/year) 15 NOVEMBER 2002 (15.11.2002)	
Applicant ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE et al			

- The applicant is hereby notified that International Preliminary Examining Authority transmits here with the international preliminary examination report and its annexes, if any, established on the international application.
- A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
- Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.
- REMINDER**
The applicant must enter the national phase before each elected office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details in the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.



<p>Name and mailing address of the IPEA/KR</p> <p> Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701, Republic of Korea</p> <p>Facsimile No. 82-42-472-7140</p>	<p>Authorized officer</p> <p>COMMISSIONER</p> <p>Telephone No. 82-42-481-5207</p>	
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PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference P02EC004/PCT	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/KR2002/002483	International filing date (day/month/year) 30 DECEMBER 2002 (30.12.2002)	Priority date (day/month/year) 15 NOVEMBER 2002 (15.11.2002)
International Patent Classification (IPC) or national classification and IPC IPC7 H04L 12/28		
Applicant ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE et al		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.



2. This REPORT consists of a total of 3 sheets, including this cover sheet.

☐ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of _____ sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand 27 MAY 2004 (27.05.2004)	Date of completion of this report 18 JANUARY 2005 (18.01.2005)
Name and mailing address of the IPEA/KR  Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701, Republic of Korea Facsimile No. 82-42-472-7140	Authorized officer SONG, In Kwan. Telephone No. 82-42-481-5708 

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/KR2002/002483

I. Basis of the report

1. With regard to the elements of the international application:*

- ☒ the international application as originally filed
- ☒ the description:
 pages 1 - 9 , as originally filed
 pages _____ , filed with the demand
 pages _____ , filed with the letter of _____
- ☒ the claims:
 pages 10 - 12 , as originally filed
 pages _____ , as amended (together with any statement) under Article 19
 pages _____ , filed with the demand
 pages _____ , filed with the letter of _____
- ☒ the drawings:
 pages 1 - 4 , as originally filed
 pages _____ , filed with the demand
 pages _____ , filed with the letter of _____
- ☐ the sequence listing part of the description:
 pages _____ , as originally filed
 pages _____ , filed with the demand
 pages _____ , filed with the letter of _____

2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language English which is

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☒ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).

3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets _____

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**

* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this opinion as "originally filed." and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).

** Any replacement sheet containing such amendments must be referred to under item I and annexed to this report.

INTERNATIONAL PRELIMINARY EXAMINATION

International application No.

PCT/KR2002/002483

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	<u>1 - 6</u>	YES
	Claims		NO
Inventive step (IS)	Claims	<u>1 - 6</u>	YES
	Claims		NO
Industrial applicability (IA)	Claims	<u>1 - 6</u>	YES
	Claims		NO

2. Citations and explanations (Rule 70.7)

1. Reference is made to the following document:

D: US 6,067,297 A (Symbol Technologies, Inc.) 23 May 2000

2. The present invention relates to an apparatus and method for searching an access point (AP) of a wireless LAN based in broadcasting information of a base station in a mobile communication network. In case that a dual mode mobile station having a wireless LAN module and a mobile communication module wants to use a data service through the AP of the wireless LAN, the apparatus and method for automatically searching an AP of a wireless LAN drives the wireless LAN module only when there is the AP of the wireless LAN, thereby reducing power consumption.

3. D provides an embedded access point supporting communication with mobile unit operating in power saving mode. A wireless communication system, in particular a wireless LAN includes at least two mobile units, one of the mobile units including an adapter card configured to support embedded access point capability and including an association table for retaining status information concerning other mobile units in the network and message transmit queues allowing the system to operate in power saving polling mode.

4. But D does not disclose the characteristic of the present invention which automatically searches a wireless LAN access point based on broadcast information of a base station in order to prevent high power consumption by operating a wireless LAN module in only case that a mobile station is located within a service area of a wireless LAN access point.

5. It is thus believed that Claims 1 - 6 meet the criteria set out in PCT Article 33(2)-(4). D does not teach nor fairly suggest any of the components which are especially set forth in the claims. Therefore, Claims 1 - 6 have novelty, an inventive step and industrial applicability.